

Converting Colors

$Y_{xy}(30.7806, 0.2066, 0.2638)$

Have a look what the booklet for
Yxy(30.7806, 0.2066, 0.2638)
contains.

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Color

Yxy(30.9106, 0.2068, 0.2644)

Conversions

Conversions Part 1

Format	Color
Hex	00A4CC
RGB	0, 164, 204
RGB Percent	0%, 64%, 80%
CMY	0.9991, 0.3569, 0.2000
CMYK	1.00, 0.20, 0.00, 0.20
HSL	192°, 100%, 40%
HSV	192°, 100%, 80%
XYZ	24.1767, 30.9106, 61.8212
YIQ	119.5240, -110.5840, -22.3280

Conversions

Conversions Part 2

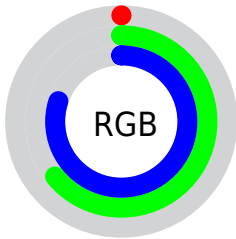
Format	Color
RYB	0, 91, 204
Decimal	42188
CIELab	62.43, -21.27, -30.38
CIELCh	62, 37.086, 235.010
Yxy	30.9106, 0.2068, 0.2644
Android (android.graphics.Color)	4278232268 (0xFF00A4CC)
YUV	119.5240, 41.6467, -104.8225
Hunter-Lab	55.5973, -19.6740, -27.0092

Details

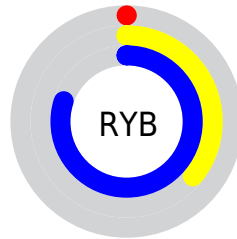
The Yxy color **30.9106, 0.2068, 0.2644** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **14.3724, 0.6190, 0.3466**, and the grayscale version is **18.5374, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.6497, 0.2287, 0.2845**, and **13.7903, 0.2017, 0.2462** is the 20% darker color. If you saturate the color by 10%, you get **30.8937, 0.2068, 0.2643**, and if you desaturate by 10%, it is **32.5219, 0.2104, 0.2715**.

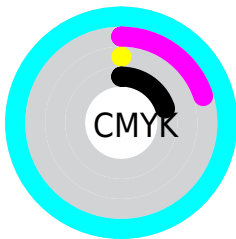
Distribution



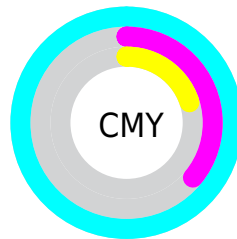
- Red (0%)
- Green (64%)
- Blue (80%)



- Red (0%)
- Yellow (36%)
- Blue (80%)



- Cyan (100%)
- Magenta (20%)
- Yellow (0%)
- Black (20%)





- Cyan (100%)
- Magenta (36%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.9106, 0.2068, 0.2644 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 30.9106, 0.2068, 0.2644 by changing the saturation by 10% instead.


 30.9106, 0.2068,
0.2644


 30.9106, 0.2068,
0.2644


306.1262, 0.2605,
0.2997

 20.5308, 0.1935,
0.2548


 61.0993, 0.2263,
0.2778


 12.7815, 0.1766,
0.2421


 81.6770, 0.2337,
0.2827


 7.2782, 0.1547,
0.2247


 106.4227, 0.2399,
0.2868

 3.6367, 0.1257,
0.1997

 135.7209, 0.2452,
0.2902

 1.4725, 0.0869,
0.1623

 169.9560, 0.2498,
0.2931

 0.2692, 0.0000,
0.0761

209.5123, 0.2538,

 0.0000, 0.0000,

0.2956

0.0000

254.7742, 0.2574,
0.2978

■ 30.9106, 0.2068,
0.2644

■ 30.9106, 0.2068,
0.2644

■ 30.8937, 0.2068,
0.2643

■ 32.5219, 0.2104,
0.2715

■ 34.3404, 0.2155,
0.2786

■ 36.4220, 0.2226,
0.2857

■ 38.7966, 0.2316,
0.2928

■ 41.4896, 0.2424,
0.2998

■ 44.5232, 0.2547,
0.3064

■ 47.9174, 0.2682,
0.3127

■ 51.6907, 0.2826,
0.3186

■ 55.8598, 0.2976,
0.3241

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



30.9106, 0.2164, 0.3118



30.9106, 0.2068, 0.2644



30.9106, 0.2214, 0.2398

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



30.9106, 0.2068, 0.2644



30.9106, 0.3743, 0.2885



30.9106, 0.3605, 0.4374

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



30.9106, 0.2068, 0.2644



14.3724, 0.6190, 0.3466

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



30.9106, 0.4082, 0.4174



30.9106, 0.2068, 0.2644



30.9106, 0.4189, 0.3316

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



30.9106, 0.2068, 0.2644



30.9106, 0.3141, 0.2552



30.9106, 0.4309, 0.3775



30.9106, 0.3026, 0.4223

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



30.9106, 0.2068, 0.2644



30.9106, 0.2440, 0.2360



30.9106, 0.4309, 0.3775



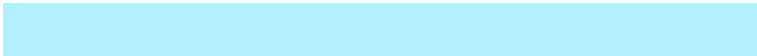
30.9106, 0.3783, 0.4340

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



30.9117, 0.2068, 0.2644



79.0531, 0.2675, 0.3124



43.3268, 0.2954, 0.5833



16.3935, 0.2616, 0.3098



0.0000, 0.0000, 0.0000



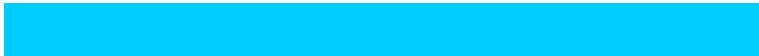
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



30.9117, 0.2068, 0.2644



50.8519, 0.2065, 0.2634



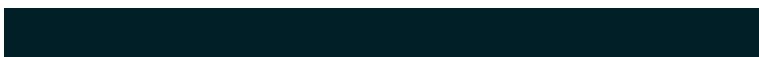
8.1146, 0.1619, 0.1028



12.3382, 0.2983, 0.3243



19.5761, 0.2070, 0.2653



1.1080, 0.2109, 0.2791

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



15.5234, 0.3782, 0.1857



25.6647, 0.3791, 0.1862



31.4423, 0.4892, 0.4497



11.3645, 0.3167, 0.3106



9.7792, 0.3773, 0.1852



0.5144, 0.3643, 0.1780

Previews

White Background



This preview shows how the Yxy color 30.9106, 0.2068, 0.2644 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 30.9106, 0.2068, 0.2644 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

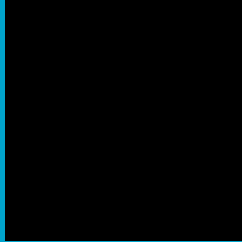
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.9106, 0.2068, 0.2644

Background



This preview shows how black text looks on a background with the Yxy color 30.9106, 0.2068, 0.2644.



This preview shows how white text looks on a background with the Yxy color 30.9106, 0.2068, 0.2644.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

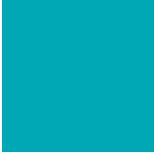
30.9106, 0.2068, 0.2644

Protanopia

30.4745, 0.2666, 0.2642

Deuteranopia

30.5592, 0.2491, 0.2429



Tritanopia

30.9327, 0.2184, 0.3063

Trichromacy



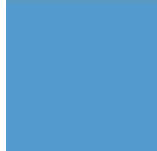
Original Color

30.9106, 0.2068, 0.2644



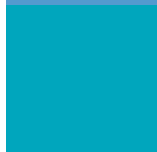
Protanomaly

29.2206, 0.2302, 0.2624



Deuteranomaly

29.4552, 0.2214, 0.2472



Tritanomaly

30.9466, 0.2139, 0.2901

Monochromacy



Original Color

30.9106, 0.2068, 0.2644



Achromatopsia

18.7821, 0.3127, 0.3290



Achromatomaly

21.3792, 0.2438, 0.3001

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.9106, 0.2068, 0.2644 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(0, 164, 204)` looks like.

```
.text, #text, p{  
    color:rgb(0, 164, 204)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(0, 164, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 164, 204) }
```

Border

The CSS property to change the border of an element to Yxy 30.9106, 0.2068, 0.2644 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(0, 164, 204) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(0, 164, 204) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(0, 164, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 164, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 164, 204);  
box-shadow:4px 4px 4px 4px rgb(0, 164,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 30.9106, 0.2068, 0.2644 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 164, 204) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(0, 164,  
204) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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